

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>JNR/PG4884</b>	<b>FOR FURTHER ACTION</b>		see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, Item 5 below.
International application No. <b>PCT/EP 03/ 08152</b>	International filing date (day/month/year) <b>23/07/2003</b>	(Earliest) Priority Date (day/month/year) <b>25/07/2002</b>	
Applicant  <b>GLAXO GROUP LIMITED</b>			

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 7 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this Item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☒ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☒ because this figure better characterizes the invention.

7a \_\_\_\_\_

☐ None of the figures.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP 03/08152

## Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

There is provided a unitary dispensing device for use in the delivery of a first medicament and at least one further medicament. The device comprises a first medicament dispenser (330) for the delivery of the first medicament and at least one further medicament dispenser (340) for the delivery of the at least one further medicament. The first medicament dispenser (330) and the at least one further medicament dispenser (340) enable the first and the at least one further medicament to be kept separate until the point of delivery. The first medicament dispenser (330) is different in type to the at least one further medicament dispenser (340).

# INTERNATIONAL SEARCH REPORT

Intern. Application No  
PCT/EP 03/08152

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 A61M15/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A X	/ US 5 437 267 A (WEINSTEIN ALLAN ET AL) 1 August 1995 (1995-08-01) column 3, line 47 -column 4, line 15  figure 1A column 5, line 24-38 figure 4A  ---	1,2  3,11-14, 17-19
A X	US 2001/027789 A1 (GOEDE JOACHIM ET AL) 11 October 2001 (2001-10-11) paragraphs '0035!-'0041!  paragraphs '0054!-'0060! figures 1-4  ---  -/--	1,2  3,14,15, 17-22

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

16 October 2003

Date of mailing of the international search report

06/11/2003

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/08152

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 33 48 370 C (GLAXO GROUP LTD)	1,2
X	11 October 2001 (2001-10-11) column 5, line 36-56; figure 5	3,8-10, 17,18
E	----- WO 03 061744 A (BONNEY STANLEY GEORGE ;DAVIES MICHAEL BIRSHA (GB); GLAXO GROUP LTD) 31 July 2003 (2003-07-31) page 2, line 21 -page 4, line 24 page 5, line 20 -page 6, line 9 page 9, line 29 -page 10, line 10 page 11, line 12-22 page 23, line 29,30 page 41, line 8-28; figure 2A page 48, line 20 -page 49, line 28; figures 8A-8C page 55, line 7 -page 57, line 9 -----	1-3, 8-11, 13-22

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP 03/08152

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 23  
because they relate to subject matter not required to be searched by this Authority, namely:  
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/08152

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5437267	A	01-08-1995	NONE	
US 2001027789	A1	11-10-2001	DE 19961300 A1 AU 3009901 A BR 0016496 A CA 2327973 A1 CN 1433332 T WO 0143801 A2 EP 1239905 A2 HU 0203500 A2 JP 2003516823 T NO 20022850 A SK 8362002 A3 TW 522026 B ZA 200204878 A	21-06-2001 25-06-2001 27-08-2002 18-06-2001 30-07-2003 21-06-2001 18-09-2002 28-03-2003 20-05-2003 15-08-2002 09-01-2003 01-03-2003 16-09-2002
DE 3348370	C	11-10-2001	DE 3348370 C2 AT 396333 B AT 357683 A AU 570013 B2 AU 1997783 A AU 584535 B2 AU 8315587 A BE 897946 A1 BR 8305562 A CA 1224992 A1 CA 1236736 A2 CH 662277 A5 CY 1477 A CY 1478 A DE 3336486 A1 DK 45198 A DK 464383 A ES 286422 U FI 833641 A ,B, FI 891175 A ,B, FR 2550452 A1 FR 2570607 A1 GB 2129691 A ,B GB 2169265 A ,B GR 79615 A1 HK 67689 A HK 67789 A IE 56059 B1 IE 56060 B1 IL 69932 A IL 80468 A IN 160851 A1 IT 1203660 B JP 59088158 A JP 1888266 C JP 5076872 B JP 5200100 A KE 3860 A KE 3861 A KR 9102248 B1 LU 85034 A1 NL 8303461 A ,B,	11-10-2001 25-08-1993 15-12-1992 03-03-1988 12-04-1984 25-05-1989 21-04-1988 09-04-1984 15-05-1984 04-08-1987 17-05-1988 30-09-1987 21-07-1989 21-07-1989 26-04-1984 20-12-1999 09-04-1984 01-02-1986 09-04-1984 13-03-1989 15-02-1985 28-03-1986 23-05-1984 09-07-1986 31-10-1984 01-09-1989 01-09-1989 10-04-1991 10-04-1991 31-12-1987 30-11-1987 08-08-1987 15-02-1989 22-05-1984 07-12-1994 25-10-1993 10-08-1993 02-06-1989 02-06-1989 08-04-1991 19-06-1985 01-05-1984

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/08152

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 3348370	C	NL 9700002 A ,B , NO 833667 A ,B , NZ 205892 A NZ 218860 A PT 77471 A ,B SE 458824 B SE 8305542 A SE 465752 B	02-06-1997 09-04-1984 31-07-1987 26-04-1989 01-11-1983 16-05-1989 09-04-1984 28-10-1991
WO 03061744	A	31-07-2003	WO 03061743 A1 WO 03061744 A1
			31-07-2003 31-07-2003